



# Successful R&I in Europe 2018 9th European Networking Event

15-16/03/2018 (Düsseldorf)

NCP Wallonie
15-16/03/2018
Brokerage event Düsseldorf



## Thématiques

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## 1. Nanotechnology, Materials and Manufacturing (NMM)

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1. Materials|Chemistry  
Dr. Thomas Fischer, University of Cologne, Cologne, Germany  
[↓ Presentation](#)
2. Implementation of Safe-by-Design thinking into manufacturing of products containing nanomaterials  
Dr. Heli Kangas, VTT Technical Research Centre of Finland Ltd, Espoo, Finland  
[↓ Presentation](#)
3. Standardisation as Part of Successful Research and Innovation Projects  
Stefanie Müller, DIN e. V., Berlin, Germany  
[↓ Presentation](#)
4. Advanced structured materials by emerging 3D printing technologies for process industries  
Dr. Vesna Middelkoop, VITO, Mol, Belgium  
[↓ Presentation](#)
5. A mobile H<sub>2</sub>-solid-state tank based on highly porous nanomaterials for explosion proof storage of large amounts of hydrogen at high density, moderate pressure and room temperature  
Prof. Dr. Niels Marquardt, Ruhr University Bochum & COMET NanoTec GmbH, Bochum, Germany  
[↓ Presentation](#)
6. High Resolution Laser Based Additive Manufacturing, or in other words: Printing and Sintering with LIGHT  
Dr. Gari Arutinov, Holst Centre/TNO, Eindhoven, Netherlands
7. Particle Process Technology: From the Synthesis of Highly Specific Nanomaterials on the Pilot Plant Scale to the Characterization of particles.  
Tim Hülser, IUTA e.V., Duisburg, Germany
8. Nanocomposite Powders for Laser Additive Manufacturing  
Dr. Tobias Teckentrup, University of Duisburg-Essen, Duisburg, Germany  
[↓ Presentation](#)
9. Interactive Digital Twin for Interdisciplinary Collaboration and Problem Solving in Industrial Production and Maintenance  
Dr. Sven-Volker Rehm, WHU - Otto Beisheim School of Management, Vallendar, Germany  
[↓ Presentation](#)

10. Development of the Fe based and Cu based alloys for Wire Arc Additive Manufacturing  
Dr. Wojciech Burian, Institute of Non-Ferrous Metals, Gliwice, Poland  
[!\[\]\(13b6bdd0ca077c333d50231f1443cb1d\_img.jpg\) Presentation](#)
11. Development and industrial application of the biodegradable magnesium alloys.  
Anna Seraya, Boris Golman-Nazarbaev university, Ust-Kamenogorsk, Kazakhstan  
[!\[\]\(5dbedd4e1e8871e3a0e67053ad2f9701\_img.jpg\) Presentation](#)
12. Open Pilot Line Philosophy at COATEMA  
Dr. Nico Meyer, Coatema Coating Machinery GmbH, Dormagen, Germany  
[!\[\]\(d4749465acb9b53e115af1f9ce82539c\_img.jpg\) Presentation](#)
13. Solutions for Advanced manufacturing & processing & Structural Dynamics  
Christophe Loffet, V2i, Liège, Belgium  
[!\[\]\(3e3001313d495ec87b5a6a5de6205728\_img.jpg\) Presentation](#)
14. Advanced Microforming processes and Nanomaterials.  
Prof. Dr. Christoph Hartl, Technische Hochschule Köln, Köln, Germany  
[!\[\]\(e26df985e6d3e053d2593dc7b93b41cf\_img.jpg\) Presentation](#)
15. New Electrostatic Spraying Technology  
Dr. Rene Massard, Kemica Coatings, Mignieres, France  
[!\[\]\(2d8989e35a5d1c61f2b9b0307dee0da4\_img.jpg\) Präsentation](#)
16. Computational Material Modelling for Fast-Paced European Industrial Productions  
Prof. Dr. Amir Horr, Austrian Institute of Technology, Vienna, Austria  
[!\[\]\(10225a66c9f99322b84a7fc32767a3b8\_img.jpg\) Presentation](#)
17. Namur Nanosafety Center / Synthesis, Irradiation & Analysis of Materials. Your partner for characterisation/evaluation of NMs  
Dr. Jorge Mejia, University of Namur, Namur, Belgium  
[!\[\]\(e628152647eaf2a5b8bfa082bbb75081\_img.jpg\) Presentation](#)
18. Foam Glass Insulation Blocks Manufacturing for Construction Industry  
Gary Raskin, LfG, Dusseldorf, Germany  
[!\[\]\(322137fe39b9b64ec6280cbae636a504\_img.jpg\) Presentation](#)
19. Bio-inspired Tools for Nanofabrication  
Prof. Dr. Amir Fahmi, Rhein-Waal University of Applied Sciences, Kleve, Germany
20. R&D and prototyping of applied AI-driven Intelligent Sustainable Systems supporting Smart management, governance, operations and condition monitoring  
Dr. Serguei Golovanov, GOLEM Integrated Microelectronics Solutions GMBH, Vienna, Austria  
[!\[\]\(c7b4c0f4f14640e9a5f8748e3c49f893\_img.jpg\) Presentation](#)

21. Corrosion Performance & Advanced Materials Characterisation Capabilities at TWI  
Dr. David Griffiths, TWI, Cambridge, United Kingdom

[↓ Presentation](#)

## 2. Information and Communication Technologies (ICT)

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1. KOKONinfo - an online platform with reliable and easy to grasp information about complimentary and alternative medicine for people with cancer  
Annika Jäckels, TAKEPART Media + Science GmbH, Köln, Germany  
[↓ Presentation](#)
2. Standardisation as Part of Successful Research and Innovation Projects  
Katharina Sehnert, DIN e. V., Berlin, Germany  
[↓ Presentation](#)
3. Call for The network of European Centres of Excellence in #Legaltech  
Dr. Martynas Mockus, The Law Institute of Lithuania, Vilnius, Lithuania  
[↓ Presentation](#)
4. Instytut Technologii Elektronowej : Research Activities and Opportunities for Collaboration  
Dr. Tomasz Bieniek, Instytut Technologii Elektronowej, Piaseczno, Poland  
[↓ Presentation](#)
5. CryptPad - Zero Knowledge cloud productivity technology  
Caleb James DeLisle, XWiki SAS, Paris, France  
[↓ Presentation](#)
6. Inventorum - An Open Innovation Platform Connecting Business and Academia  
Dr. Jarosław Protasiewicz, National Information Processing Institute, Warszawa, Poland  
[↓ Presentation](#)
7. BigSem - Big Semantic Data and Advanced Analytics for the Process Industry  
Ralf Klinkenberg, RapidMiner GmbH, Dortmund, Germany
8. MFDS – Multifunctional Detection System for Safer Road Traffic  
Dennis Dorn, Wilhelm Schröder GmbH, Herscheid, Germany  
[↓ Presentation](#)
9. Nearshoring in ICT projects - the possibility or necessity - Successful Mobile Communication Solutions cooperation on H2020  
Przemek Mikus, Liki Mobile Solutions, Lodz, Poland  
[↓ Presentation](#)
10. Controlar, Innovating Industry  
Dr. Carla Pereira, Controlar, Lda, Alfena, Portugal  
[↓ Presentation](#)

11. Open World Wide Laboratory Infrastructure for student created experiments  
Dr. Mirosław Brzozowy, Warsaw University of Technology, Warszawa, Poland  
[!\[\]\(36f8637baaa56c4be44b454435949289\_img.jpg\) Presentation](#)
12. 3D multi-domain simulation as universal means for integrating virtual technologies into research projects  
Frank Heinze, RIF Institute for Research and Transfer eV, Dortmund, Germany  
[!\[\]\(b556e0ef1e10ccfc32976edb6416074f\_img.jpg\) Presentation](#)
13. Defense from Covert Channel Cyber-attack over video stream payload. Exploiting compressed video domain redundancy for cyber protection  
Yoram Segal, Ben Gurion University, Hofit, Israel  
[!\[\]\(cf1529ba638f0498d7e334e7a79dd058\_img.jpg\) Presentation](#)
14. Data Science integration without black boxes  
David Arnu, RapidMiner GmbH, Dortmund, Germany  
[!\[\]\(2c071b2b285393c82ac6838d54fa5656\_img.jpg\) Presentation](#)
15. Gamification and applied gaming across various domains  
Jens Piesk, Nuromedia GmbH / Nurogames GmbH, Köln, Germany  
[!\[\]\(bda2070c29c668b13a0cf5b37bc9c21e\_img.jpg\) Presentation](#)
16. Handelsblatt Research Institute  
Dr. Jan Kleibrink, Handelsblatt Research Institute, Düsseldorf, Germany  
[!\[\]\(4dc7f5c797d7cb1aa70e6a60bb01318c\_img.jpg\) Presentation](#)
17. Looking for partners in eHealth and Industry4.0 solutions  
Dr. Jon Arambarri, Virtualware, Basauri, Spain  
[!\[\]\(8c14435c4129a2a291714ff8aa0140d6\_img.jpg\) Presentation](#)
18. Semantic Relationship Orchestration of decentralized digital Identities using distributed Identity Management Systems.  
Thorsten Niebuhr, WedaCon GmbH, Muenster, Germany  
[!\[\]\(aa22af288cc0ca0644b1717d2002bd9a\_img.jpg\) Presentation](#)
19. Partners sought for emerging innovations in Blockchain, Fin-Tech, Health-tech and oncological healthcare.  
Ad Popper, Xilion webservices, Heiloo, Netherlands  
[!\[\]\(3b5c45bb1eac680bb1a411f41e6867a8\_img.jpg\) Presentation](#)
20. Beyond 5G : The networkless network and a new dawn  
Dr. Rajarshi Sanyal, BICS, Brussels, Belgium  
[!\[\]\(f9cf6b32694e80d3e0d454d9f6a25272\_img.jpg\) Presentation](#)

21. Research interests and Collaboration Areas  
Prof. Dr. Hamid Bouchachia, Bournemouth University, Poole, United Kingdom
22. ROADART - Research On Alternative Diversity Aspects for Trucks  
Matthias Schneider, IMST GmbH, Kamp-Lintfort, Germany  
[↓ Presentation](#)
23. Medical diagnostic photonic sensor development and other biosensing technologies for point-of-care testing in health applications  
Dr. Rainer Hainberger, AIT Austrian Institute of Technology GmbH, Wien, Austria  
[↓ Presentation](#)
24. Looking for partners in Energy & Industry 4.0. Presenting ideas for future projects, early products and research results in AI, Computer Vision and HPC.  
Marcin Rojek, byteLAKE, Wroclaw, Poland  
[↓ Presentation](#)
25. Geometrical Structures - declueted from Point Clouds  
Dr. Hanns-F. Schuster, GEOhaus GbR, Haus der Geoinformation, Mülheim an der Ruhr, Germany  
[↓ Presentation](#)
26. Technology transfer via multinational application experiments in customized and low-energy computing  
Eva Haas, RWTH Aachen University, Aachen, Germany  
[↓ Presentation](#)



### 3. Sustainable Economy

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1. Innovative recycling technologies as part of circular economy on the research site :metabolon  
Prof. Dr. Michael Bongards, TH Köln - University of Applied Sciences, Gummersbach, Germany  
[↓ Presentation](#)
2. Upgrading of manure: reduction of ammonia emissions and production of organic fertilizer  
Dr. Horst Meyrahn, Agrihumin GmbH, Brühl, Germany  
[↓ Presentation](#)
3. Urban transformations of the post-industrial era  
Dr. Kaisa Schmidt-Thomé, Demos Helsinki, Helsinki, Finland  
[↓ Presentation](#)
4. Engaging consumers for a sustainable economy  
Nora Brüggemann, Collaborating Centre on Sustainable Production and Consumption (CSCP), Wuppertal, Germany  
[↓ Presentation](#)
5. COLOSSAL. SC5-07-2019: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes  
Sreenivaasa Pamidi, Exergy NETHERLANDS, Delft, Netherlands  
[↓ Presentation](#)

## 4. Energy

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1. "FlexPad" - conical Sliding bearing for Wind Turbine Main Bearing application  
Amadeus Rolink, RWTH Aachen, Aachen, Germany  
[↓ Presentation](#)
2. Research on Catalysis for Storing Renewable Electricity  
Dr. Hans Fredriksson, Syngaschem BV, Eindhoven, Netherlands
3. Isobaric expansion engines: New opportunities for power generation, pumping and compression  
Dr. Alexander Kronberg, Encontech B.V., Enschede, Netherlands  
[↓ Presentation](#)
4. "CAPRI": Cavitation Assisted Paraxylene Reactor Industrialization manufacture of polyesters and PET (poly-ethylene-terephthalate).  
Dr. Paola Castrillo, Vertech-Group, Nice, France  
[↓ Presentation](#)
5. Symbiosis between industry and water utilities H2020 call SC5-04-2019 (Innovation Action)  
Vicky Leloup, Province of Antwerp, Antwerp, Belgium  
[↓ Presentation](#)
6. An Introduction to TWI and the Materials Group  
Damien Kirkpatrick, TWI Ltd, Cambridge, United Kingdom  
[↓ Presentation](#)
7. High-performance Rotors  
Peter Szilagyi, Breuckmann GmbH & Co. KG, Heiligenhaus, Germany  
[↓ Presentation](#)
8. EC H2020 CHESS-SETUP Combined Heat Supply System by using Solar Energy and Heat Pumps  
Renee Wansdronk, Wansdronk Architectuur, Amsterdam, Netherlands  
[↓ Presentation](#)
9. Fuel Cell - EHS hybrid module development  
Dr.- Ing. George Bandlamudi, EnerALL - Electro Chemical Systems GmbH, Willich, Germany  
[↓ Presentation](#)
10. Fuel Cell Systems using Ammonia as Renewable Energy Carrier for Future Hydrogen Societies  
Michael Steffen, Zentrum für BrennstoffzellenTechnik GmbH, Duisburg, Germany  
[↓ Presentation](#)

11. Metals R&D at Ghent University  
Dr. Karen Hemelsoet, Ghent University, Zwijnaarde, Belgium  
[!\[\]\(746d018fdf6ab02bf5fb7681133e8b29\_img.jpg\) Presentation](#)
12. Maximizing the impact of your energy R&I projects through adequate dissemination, exploitation and communication of your results  
Marie Prouteau, Euronovia, Paris, France  
[!\[\]\(5daa6eee1904cb6b9d765700250de764\_img.jpg\) Presentation](#)
13. CalorAir best air/water heat pumps -refrigerant reduction in the heat pumps -noise level reduction in the heat pumps -increasing COP in the heat pumps  
Pawel Matusiak, fast development, Sosnowiec, Poland  
[!\[\]\(d72e437c7cc5947bc0b147aba6602563\_img.jpg\) Presentation](#)
14. Metal Fuel Energy Applications  
Dr. Martin Timmer, Eindhoven University of Technology, Eindhoven, Netherlands  
[!\[\]\(0d2a89e6d0cbcd8e0459b972b9332401\_img.jpg\) Presentation](#)
15. Business cases for industrial waste heat/cold recovery. SC3-EE-06-2018  
Jesus Serrano, Sustainable Innovations Europe, Madrid, Spain  
[!\[\]\(cdcd8a42e5993b465235781ccc1c8555\_img.jpg\) Presentation](#)
16. 3D Inverse Design Methodology for Turbomachinery Components  
Dr. Maria Vera-Morales, Advanced Design Technology Ltd., London, United Kingdom  
[!\[\]\(c0c9434f3698c901303014555ccb5687\_img.jpg\) Presentation](#)
17. Operation of local TRIGENERATION power system  
Jacek Glowinkowski, Wroclawski Park Technologiczny SA (Wroclaw Technology Park), WROCLAW, Poland  
[!\[\]\(4f9bd4c242eb94a69f6647adc92289eb\_img.jpg\) Presentation](#)
18. Remote Smart Meters Errors Monitoring Methods Research and Implementation  
Prof. Dr. Žilvinas Nakutis, Kaunas university of technology, Kaunas, Lithuania  
[!\[\]\(2043c91b19713cb6115a4799f072cbca\_img.jpg\) Presentation](#)

## 5. Life Sciences

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1. Needle free vaccination and other smart patches  
Dr. Sebastian Braun, tesa Labtec GmbH, Langenfeld, Germany
2. Convergence programme towards mastering of Personalized Medicine solutions.  
Dr. Mirosław Kwasniewski, Medical University of Białystok, Białystok, Poland
3. RNA technology platforms in regenerative medicine  
Dr. Kai Gräber, Cluster for Individualized ImmuneIntervention (Ci3) e.V., Mainz, Germany
4. Bridge between Medical Biology and Clinical Medicine  
Dr. Dorota Makarewicz, Mossakowski Medical Research Centre, Polish Academy of Sciences, Warsaw, Poland  
[↓ Presentation](#)
5. PINTra - Platform for Intelligent Transparency  
Daniel Ziegelmayr, COREVAS GmbH & Co. KG, Grevenbroich, Germany
6. ReceptIVFity - Fertility Microbiome Profiling for IVF/ICSI  
Dr. Jonathan de Jonge, ARTPred, Hoofddorp, Netherlands  
[↓ Presentation](#)
7. Individual manufacture of medical Ti-implants using microplasma processing  
Prof. Dr. Darya Alontseva, East Kazakhstan state technical university, Ust-Kamenogorsk, Kazakhstan  
[↓ Presentation](#)
8. CasZyme - Pioneers of CRISPR Cas technology  
Dr. Monika Kavaliauske, CasZyme, Vilnius, Lithuania  
[↓ Presentation](#)
9. Controlling of protein disorder and protein aggregation in health and disease  
Dr. Stefan Rüdiger, Utrecht University, Utrecht, Netherlands  
[↓ Presentation](#)
10. Flexible microfluidic Lab-on-Chip systems for IVD applications  
Dr. Jan Hesse, Joanneum Research, Graz, Austria  
[↓ Presentation](#)
11. AIT biomarker discovery, bioinformatics, and biosensor development for upcoming H2020 projects  
Dr. Stephan Pabinger, AIT Austrian Institute of Technology GmbH, Wien, Austria  
[↓ Presentation](#)

12. A Life Sciences Interdisciplinary Approach to Sustainable Intensification in Africa (SFS-35-2019 call)  
Aykut Sancakli, Dimov Rosen, Serdengeçtiler Agricultural Production Partnership, Mersin, Turkey  
[📄 Presentation](#)
13. Innovative solutions for diagnostics  
Balazs Czibok, University of Pécs, Pécs, Hungary  
[📄 Presentation](#)
14. bloom - Boosting European Citizens' Knowledge and Awareness of Bioeconomy Research and Innovation  
Norbert Steinhaus, Wissenschaftsladen Bonn - Bonn Science Shop, Bonn, Germany  
[📄 Presentation](#)
15. CDISC Presents the Importance of clinical research data standards and their fit with wider research standards landscape in a connected data framework  
Paul Houston, CDISC Europe Foundation, Cenon, France  
[📄 Presentation](#)
16. Looking for 15 Early Stage Researchers in Biomedical Research and Biostatistics for the International Interdisciplinary PhD studies at the Medical University of Bialystok  
Dr. Miroslaw Kwasniewski, Medical University of Bialystok, Bialystok, Poland  
[📄 Presentation](#)

## 6. Transport

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1. At the interface between Logistics and IT. New horizon of Stopguard project.  
Evgeny Novikov, GPC Doerfer International GmbH, Aachen, Germany  
[↓ Presentation](#)
2. CargoRider – A new mobility service for cargo ships  
Frank Michelberger, University of Applied Sciences St. Poelten, St.Pölten, Austria  
[↓ Presentation](#)
3. Integrated multi-modal measures of user experience  
Dr. Andrew Spink, Noldus Information Technology BV, Wageningen, Netherlands  
[↓ Presentation](#)
4. Disrupting Emission Testing and Monitoring  
Aleksandra Karimaa, Gasera Ltd, Turku, Finland  
[↓ Presentation](#)
5. Remote Management of Mobile Devices used in European Transport.  
Mariusz Walczak, Liki Mobile Solutions, Łódź, Poland  
[↓ Presentation](#)
6. VaVeL: Variety, Veracity, VaLue: Handling the Multiplicity of Urban Sensors  
Dr. Thomas Liebig, Technische Universität Dortmund, Dortmund, Germany  
[↓ Presentation](#)